



Appl. No. 10/764,634  
Filing Date: 1/23/2004  
Current Reply to Office action of September 26, 2006 – Juan D. Valentin, Examiner  
Current Response Date: March 24, 2007

Appl. No. : 10/764,634 Confirmation No. 9083  
Applicant : Jerry Gene Williams  
Filed : 01/23/2004  
Examiner : Juan D. Valentin

Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

SUBJECT: Patent Application No. 10/764,634 entitled: "Performance Monitoring of Offshore Petroleum Risers Using Optical Strain Sensors" herein amended to: "Dynamic Performance Monitoring of Long Slender Structures Using Optical Fiber Strain Sensors"

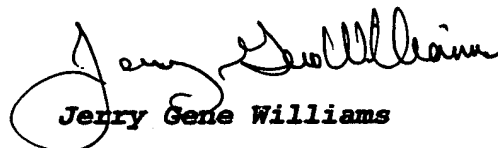
**AMENDMENT**

Dear Mr. Valentin:

In response to the Office action of September 26, 2006, please amend the above-identified application as follows. The amendments are extensive in response to the examiner's review and therefore the specifications have been included in their entirety with underline for additions and strike-through for material omitted. The modification of claims is attached as well as the modification of the abstract and figures. As noted in the subject, I have also taken this opportunity to amend the title to better reflect the essence of the patent. For your convenience, I have also enclosed a CD of the Word file of the information contained herein.

1. Amendments to the Specification begin on page 2 of this paper.
2. Amendments to the Claims are begin on page 46 of this paper.
3. Amendments to the Abstract begin on page 53 of this paper.
4. Amendments to the Figures begin on page 55 of this paper.
5. A cover letter with arguments in support of the current patent application and providing justification for the amended claims.

Respectfully submitted,

  
Jerry Gene Williams